

Converting Colors

CIELCh(64, 0.293, 218.181)

Have a look what the booklet for
CIELCh(64, 0.293, 218.181) contains.

CIELCh(64, 0.381, 200.568)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(64, 0.381, 200.568)

Conversions

Conversions Part 1

Format	Color
Hex	9A9B9B
RGB	154, 155, 155
RGB Percent	60%, 61%, 61%
CMY	0.3950, 0.3911, 0.3911
CMYK	0.01, 0.00, 0.00, 0.39
HSL	180°, 0%, 61%
HSV	180°, 1%, 61%
XYZ	31.0804, 32.8017, 35.8195
YIQ	154.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

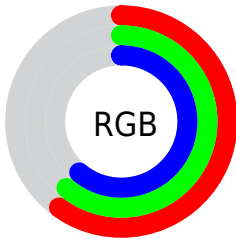
Format	Color
RYB	154, 155, 155
Decimal	10132379
CIELab	64.00, -0.36, -0.13
CIELCh	64, 0.381, 200.568
Yxy	32.8017, 0.3117, 0.3290
Android (android.graphics.Color)	4288322459 (0xFF9A9B9B)
YUV	154.7010, 0.1474, -0.6148
Hunter-Lab	57.2727, -3.3602, 3.0098

Details

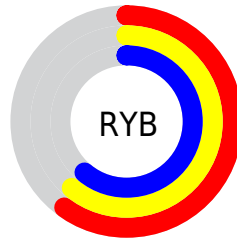
The CIELCh color $64, 0.381, 200.568$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $64, 0.386, 18.036$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 0.361, 200.960$, and $44, 0.410, 200.192$ is the 20% darker color. If you saturate the color by 10%, you get $63, 6.174, 198.681$, and if you desaturate by 10%, it is $65, 5.653, 19.630$.

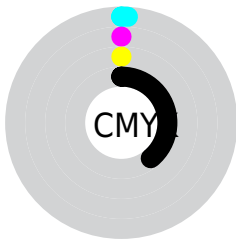
Distribution



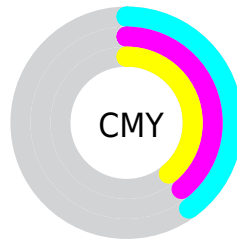
- Red (60%)
- Green (61%)
- Blue (61%)



- Red (60%)
- Yellow (61%)
- Blue (61%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (39%)



- Cyan (40%)
- Magenta (39%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 0.381, 200.568 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 64, 0.381, 200.568 by changing the saturation by 10% instead.

■ 64, 0.381, 200.568

■ 64, 0.381, 200.568

■ 100, 0.381,
200.568

■ 54, 0.381, 200.568

■ 84, 0.381, 200.568

■ 44, 0.381, 200.568

■ 94, 0.381, 200.568

■ 34, 0.381, 200.568

■ 24, 0.381, 200.568

■ 14, 0.381, 200.568

■ 4, 0.381, 200.568

■ 0, 0.381, 200.568

■ 64, 0.381, 200.568

■ 64, 0.381, 200.568

■ 63, 6.174, 198.681

■ 65, 5.653, 19.630

62, 11.639,
198.145

67, 11.860, 20.261

61, 16.689,
197.675

68, 18.175, 20.877

60, 21.230,
197.260

70, 24.550, 21.497

59, 25.177,
196.903

73, 37.329, 22.735

59, 28.458,
196.605

74, 40.430, 23.019

58, 31.027,
196.367

74, 40.426, 22.988

58, 32.872,
196.187

74, 40.422, 22.957

58, 34.024,
196.062

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64, 0.381, 200.568



64, 0.386, 18.036

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 0.381, 200.568



64, 0.381, 250.568



64, 0.381, 20.568



64, 0.381, 70.568

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64, 0.382, 200.341



81, 0.010, 296.813



64, 0.671, 144.279



43, 0.006, 296.813



91, 0.011, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 0.382, 200.341



81, 0.732, 199.882



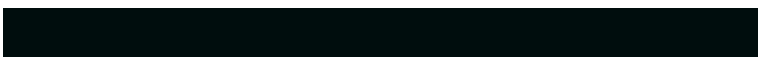
64, 0.338, 254.598



32, 0.331, 199.967



53, 32.180, 195.981



3, 3.596, 199.164

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64, 0.386, 18.036



81, 0.739, 18.493



64, 0.327, 72.553



32, 0.334, 18.407



28, 66.021, 38.943



1, 3.596, 19.183

Previews

White Background



This preview shows how the CIELCh color 64, 0.381, 200.568 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 0.381, 200.568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

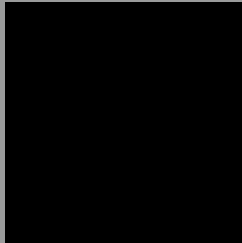
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

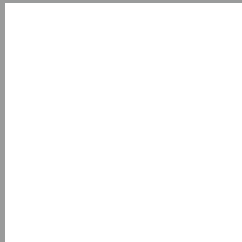
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 0.381, 200.568

Background



This preview shows how black text looks on a background with the CIELCh color 64, 0.381, 200.568.

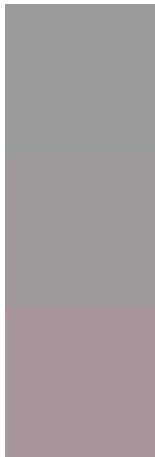


This preview shows how white text looks on a background with the CIELCh color 64, 0.381, 200.568.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


64, 0.381, 200.568

Protanopia

64, 1.644, 359.492

Deuteranopia

64, 8.108, 355.884



Tritanopia
64, 6.750, 297.235

Trichromacy



Original Color

64, 0.381, 200.568

Protanomaly

64, 1.289, 353.560

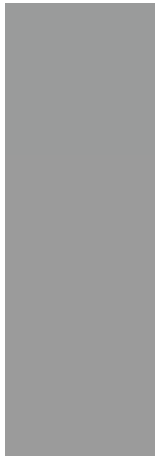
Deuteranomaly

64, 5.159, 354.282

Tritanomaly

64, 4.489, 295.471

Monochromacy



Original Color

64, 0.381, 200.568

Achromatopsia

64, 0.008, 296.813

Achromatomaly

64, 0.008, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 0.381, 200.568 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(154, 155, 155)` looks like.

```
.text, #text, p{  
    color:rgb(154, 155, 155)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(154, 155, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 155, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 0.381, 200.568 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(154, 155, 155) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(154, 155, 155) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(154, 155, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 155, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 155, 155);  
box-shadow:4px 4px 4px 4px rgb(154, 155,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 0.381, 200.568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 155, 155) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(154,  
155, 155) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor